sapience
Consultants and Engineers
(Soil, Rock & Road Materials Testing Laboratory)

#B9-003, GANGA, Jnanabharathi Enclave,
Valagerahalli, Mysore Road, Bangalore 560059
Ph: 9448853634, 8762194386.
Email: sapiencebangalore@gmail.com

Atterberg Limits

Project Name	Restoration and Improvements of roads and drains in A Y R Layout, Shettyhalli village,RR layout of Chikkasandra village and Abigere village roads, BTS Village, Vishveshwariah village, Royal Enclave and Sidedahalli Old Village roads Dugged by BWSSB to lay water Supply and UGD lines under 110 villages in ward No 12 & 14 Shettyhalli. BBMP, Bangalore
Client	Executive Engineer, Dasarahalli Division, BBMP, Bangalore.
Job No.:	SCE/PMC/QCR-4/BBMP/DH/2022-23/58 Dt. 29/10/2022
Contractor / Agency	Sri.Chikkaboregowda Karigowda(CKG Constructions Privite Limited), Contractor, Mysore.
Mix Type	Wet Mix Macadam
Material	Coarse Aggregates
Test Method	IS 2720(Part 5):1985
Source / Location	Plant
Sample No.	1, 2 and 3
Date	20.06.2022 to 22.06.2022

Sl No	Description	Test #1	Test #2	Test #3	IS Specifications
1	Liquid Limit, %	22.04	21.41	21.43	-
1	Plasticity Index, %	Non Plastic	Non Plastic	Non Plastic	6.0% Maximum.

Note:

- This test report should not be reproduced except in full, without written approval of the laboratory
- The results indicated above are based on the tests carried out on the samples are collected on the work spot & tested in the laboratory.
- Any Query regarding the report must be reported within 15 days from the date of testing.

For Sapience Consultants and Engineers,

Authorized Signature

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ದಾಸರಹಳ್ಳಿ ಉಪ ವಿಭಾಗ
ಬಾಗಲಗುಂಟೆ. ಜಿ.ಕೆ.ಎಂ.ಪಿ
ಬೆಂಗಳೂರು 560073

sapience
Consultants and Engineers
(Soil, Rock & Road Materials Testing Laboratory)

#B9-003, GANGA, Jnanabharathi Enclave,
Valagerahalli, Mysore Road, Bangalore 560059
Ph: 9448853634, 8762194386.
Email: sapiencebangalore@gmail.com

Atterberg Limits

Project Name	Restoration and Improvements of roads and drains in A Y R Layout, Shettyhalli village,RR layout of Chikkasandra village and Abigere village roads, BTS Village, Vishveshwariah village, Royal Enclave and Sidedahalli Old Village roads Dugged by BWSSB to lay water Supply and UGD lines under 110 villages in ward No 12 & 14 Shettyhalli. BBMP, Bangalore
Client	Executive Engineer, Dasarahalli Division, BBMP, Bangalore.
Job No.:	SCE/PMC/QCR-4/BBMP/DH/2022-23/58 Dt. 29/10/2022
Contractor / Agency	Sri.Chikkaboregowda Karigowda(CKG Constructions Privite Limited), Contractor, Mysore.
Mix Type	Wet Mix Macadam
Material	Coarse Aggregates
Test Method	IS 2720(Part 5):1985
Source / Location	Plant
Sample No.	4, 5 and 6
Date	20.06.2022 to 22.06.2022

Sl. No	Description	Test #4	Test #5	Test #6	IS Specifications
	Liquid Limit, %	22.82	22.48	21.38	-
	Plasticity Index, %	Non Plastic	Non Plastic	Non Plastic	6.0% Maximum.

Note:

This test report should not be reproduced except in full, without written approval of the laboratory

The results indicated above are based on the tests carried out on the

Samples are collected on the work spot & tested in the laboratory.

Any Query regarding the report must be reported within 15 days from the date of testing.

For Sapience Consultants and Engineers,

Authorized Signature

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ದಾಸರಹಳ್ಳಿ ಉಪ ವಿಭಾಗ
ಬಾಗಲಗುಂಟೆ. ಜಿ.ಜಿ.ಎಂ.ಪಿ
ಬೆಂಗಳೂರು 560073

sapience
Consultants and Engineers
(Soil, Rock & Road Materials Testing Laboratory)

#B9-003, GANGA, Jnanabharathi Enclave,
Valagerahalli, Mysore Road, Bangalore 560059
Ph: 9448853634, 8762194386.
Email: sapiencebangalore@gmail.com

Atterberg Limits

Project Name	Restoration and Improvements of roads and drains in A Y R Layout, Shettyhalli village,RR layout of Chikkasandra village and Abigere village roads, BTS Village, Vishveshwariah village, Royal Enclave and Sidedahalli Old Village roads Dugged by BWSSB to lay water Supply and UGD lines under 110 villages in ward No 12 & 14 Shettyhalli. BBMP, Bangalore
Client	Executive Engineer, Dasarahalli Division, BBMP, Bangalore.
Job No.:	SCE/PMC/QCR-4/BBMP/DH/2022-23/58 Dt. 29/10/2022
Contractor / Agency	Sri.Chikkaboregowda Karigowda(CKG Constructions Privite Limited), Contractor, Mysore.
Mix Type	Wet Mix Macadam
Material	Coarse Aggregates
Test Method	IS 2720(Part 5):1985
Source / Location	Plant
Sample No.	7, 8 and 9
Date	28.06.2022 to 30.06.2022

Sl. No	Description	Test #7	Test #8	Test #9	IS Specifications
1	Liquid Limit, %	22.17	22.29	22.03	-
2	Plasticity Index, %	Non Plastic	Non Plastic	Non Plastic	6.0% Maximum.

Note:

- This test report should not be reproduced except in full, without written approval of the laboratory
- The results indicated above are based on the tests carried out on the samples are collected on the work spot & tested in the laboratory.
- Any Query regarding the report must be reported within 15 days from the date of testing.

For Sapience Consultants and Engineers,

Authorized Signature

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಬಿ. ದಾಸರಹಳ್ಳಿ ಉಪ ವಿಭಾಗ
ಬಾಗಲಗುಂಟೆ. ಜಿ.ಜಿ.ಎಂ.ಪಿ
ಬೆಂಗಳೂರು 560073

sapience
Consultants and Engineers
(Soil, Rock & Road Materials Testing Laboratory)

#B9-003, GANGA, Jnanabharathi Enclave,
Valagerahalli, Mysore Road, Bangalore 560059
Ph: 9448853634, 8762194386.
Email: sapiencebangalore@gmail.com

Atterberg Limits

Project Name	Restoration and Improvements of roads and drains in A Y R Layout, Shettyhalli village,RR layout of Chikkasandra village and Abigere village roads, BTS Village, Vishveshwariah village, Royal Enclave and Sidedahalli Old Village roads Dugged by BWSSB to lay water Supply and UGD lines under 110 villages in ward No 12 & 14 Shettyhalli. BBMP, Bangalore
Client	Executive Engineer, Dasarahalli Division, BBMP, Bangalore.
Job No.:	SCE/PMC/QCR-4/BBMP/DH/2022-23/58 Dt. 29/10/2022
Contractor / Agency	Sri.Chikkaboregowda Karigowda(CKG Constructions Privite Limited), Contractor, Mysore.
Mix Type	Wet Mix Macadam
Material	Coarse Aggregates
Test Method	IS 2720(Part 5):1985
Source / Location	Plant
Sample No.	10, 11 and 12
Date	28.06.2022 to 30.06.2022

Sl. No	Description	Test #10	Test #11	Test #12	IS Specifications
1	Liquid Limit, %	22.31	21.18	22.95	-
2	Plasticity Index, %	Non Plastic	Non Plastic	Non Plastic	6.0% Maximum.

Note:
- This test report should not be reproduced except in full, without written approval of the laboratory
- The results indicated above are based on the tests carried out on the Samples are collected on the work spot & tested in the laboratory.
- Any Query regarding the report must be reported within 15 days from the date of testing.

For Sapience Consultants and Engineers,

Authorized Signature

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ದಾಸರಹಳ್ಳಿ ಉಪ ವಿಭಾಗ
ಬಾಗಲಗುಂಟೆ. ಜಿ.ಕೆ.ಎಂ.ಪಿ
ಬೆಂಗಳೂರು 560073

sapience
Consultants and Engineers
(Geo-Tech & Road Materials Testing Laboratory)

#B9-003, GANGA, Jnanabharathi Enclave,
Valagerahalli, Mysore Road, Bangalore 560059
Ph: 9448853634, 8762194386.
Email: sapiencebangalore@gmail.com

Atterberg Limits

Project Name	Restoration and Improvements of roads and drains in A Y R Layout, Shettyhalli village,RR layout of Chikkasandra village and Abigere village roads, BTS Village, Vishveshwariah village, Royal Enclave and Sidedahalli Old Village roads Dugged by BWSSB to lay water Supply and UGD lines under 110 villages in ward No 12 & 14 Shettyhalli. BBMP, Bangalore
Client	Executive Engineer, Dasarahalli Division, BBMP, Bangalore.
Job No.:	SCE/PMC/QCR-4/BBMP/DH/2022-23/58 Dt. 29/10/2022
Contractor / Agency	Sri.Chikkaboregowda Karigowda(CKG Constructions Privite Limited), Contractor, Mysore.
Mix Type	Wet Mix Macadam
Material	Coarse Aggregates
Test Method	IS 2720(Part 5):1985
Source / Location	Plant
Sample No.	13, 14 and 15
Date	28.06.2022 to 30.06.2022

Sl. No	Description	Test #13	Test #14	Test #15	IS Specifications
1	Liquid Limit, %	22.42	21.44	21.27	-
2	Plasticity Index, %	Non Plastic	Non Plastic	Non Plastic	6.0% Maximum.

ote:
- This test report should not be reproduced except in full, without written approval of the laboratory
- The results indicated above are based on the tests carried out on the
amples are collected on the work spot & tested in the laboratory.
- Any Query regarding the report must be reported within 15 days from the date of testing.

For Sapience Consultants and Engineers,
Authorized Signature

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಡಿ. ದಾಸರಹಳ್ಳಿ ಉಪ ವಿಭಾಗ
ಹಾಗಲಗುಂಟೆ. ಪಾ.ಕಾ.ಎಂ.ಪಿ
ಬೆಂಗಳೂರು-560073

sapience
Consultants and Engineers
(Soil, Rock & Road Materials Testing Laboratory)

#B9-003, GANGA, Jnanabharathi Enclave,
Valagerahalli, Mysore Road, Bangalore 560059
Ph: 9448853634, 8762194386.
Email: sapiencebangalore@gmail.com

Atterberg Limits

ject Name	Restoration and Improvements of roads and drains in A Y R Layout, Shettyhalli village,RR layout of Chikkasandra village and Abigere village roads, BTS Village, Vishveshwariah village, Royal Enclave and Sidedahalli Old Village roads Dugged by BWSSB to lay water Supply and UGD lines under 110 villages in ward No 12 & 14 Shettyhalli. BBMP, Bangalore
ent	Executive Engineer, Dasarahalli Division, BBMP, Bangalore.
No.:	SCE/PMC/QCR-4/BBMP/DH/2022-23/58 Dt. 29/10/2022
ractor / Agency	Sri.Chikkaboregowda Karigowda(CKG Constructions Privite Limited), Contractor, Mysore.
Type	Wet Mix Macadam
erial	Coarse Aggregates
Method	IS 2720(Part 5):1985
rce / Location	Plant
ple No.	16, 17 and 18
e	18.07.2022 to 20.07.2022

Description	Test #16	Test #17	Test #18	IS Specifications
Liquid Limit, %	21.32	21.32	21.91	-
Plasticity Index, %	Non Plastic	Non Plastic	Non Plastic	6.0% Maximum.

e:

his test report should not be reproduced except in full, without written approval of the laboratory

he results indicated above are based on the tests carried out on the

ples are collected on the work spot & tested in the laboratory.

ny Query regarding the report must be reported within 15 days from the date of testing.

Sapience Consultants and Engineers,

Authorized Signature

ಸಹಾಯಕ ಕಾರ್ಯನಿರ್ವಾಹಕ ಅಭಿಯಂತರರು
ಕ. ದಾಸರಹಳ್ಳಿ ಉಪ ವಿಭಾಗ
ಬಾ:ಬಗುಂಟೆ. ಜಿ.ಕೆ.ಎಂ.ಪಿ
ಬೆಂಗಳೂರು 560073

Atterberg Limits

ject Name	Restoration and Improvements of roads and drains in A Y R Layout, Shettyhalli village,RR layout of Chikkasandra village and Abigere village roads, BTS Village, Vishveshwariah village, Royal Enclave and Sidedahalli Old Village roads Dugged by BWSSB to lay water Supply and UGD lines under 110 villages in ward No 12 & 14 Shettyhalli. BBMP, Bangalore
nt	Executive Engineer, Dasarahalli Division, BBMP, Bangalore.
No.:	SCE/PMC/QCR-4/BBMP/DH/2022-23/58 Dt. 29/10/2022
ractor / Agency	Sri.Chikkaboregowda Karigowda(CKG Constructions Privite Limited), Contractor, Mysore.
Type	Wet Mix Macadam
rial	Coarse Aggregates
Method	IS 2720(Part 5):1985
e / Location	Plant
le No.	19, 20 and 21
	18.07.2022 to 20.07.2022

Description	Test #19	Test #20	Test #21	IS Specifications
Liquid Limit, %	22.32	21.94	21.99	-
Plasticity Index, %	Non Plastic	Non Plastic	Non Plastic	6.0% Maximum.

test report should not be reproduced except in full, without written approval of the laboratory
results indicated above are based on the tests carried out on the
s are collected on the work spot & tested in the laboratory.
Query regarding the report must be reported within 15 days from the date of testing.

ience Consultants and Engineers,

Authorized Signature

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಕ. ದಾಸರಹಳ್ಳಿ ಉಪ ವಿಭಾಗ
ಬಾಗಲಗುಂಟೆ. ಜಿ.ಕೆ.ವಿ.ಕಿ
ಬೆಂಗಳೂರು 560073

sapience
Consultants and Engineers
(Soil & Road Materials Testing Laboratory)

#B9-003, GANGA, Jnanabharathi Enclave,
Valagerahalli, Mysore Road, Bangalore 560059
Ph: 9448853634, 8762194386.
Email: sapiencebangalore@gmail.com

Aggregate Particle Shape

Name	Restoration and Improvements of roads and drains in A Y R Layout, Shettyhalli village,RR layout of Chikkasandra village and Abigere village roads, BTS Village, Vishveshwariah village, Royal Enclave and Sidedahalli Old Village roads Dugged by BWSSB to lay water Supply and UGD lines under 110 villages in ward No 12 & 14 Shettyhalli. BBMP, Bangalore
	Executive Engineer, Dasarahalli Division, BBMP, Bangalore.
	SCE/PMC/QCR-4/BBMP/DH/2022-23/58 Dt. 25/07/2022
ncy / Agency	Sri.Chikkaboregowda Karigowda(CKG Constructions Privite Limited), Contractor, Mysore.
	Wet Mix Macadam
	Coarse Aggregates
ethod	IS 2386(Part I) 1963 (RA 2011)
/ Location	Plant
No.	4,5 & 6
	15.06.2022

Test	4	5	6	Requirements as per MORTH 5th edition table no 400.12
Flakiness Index	15.00	13.90	13.60	Maximum allowable Combined Flakiness and Elongation Indices for Wet Mix Macadam is 35% as per Table 400.12 MORTH Specification.
Elongation Index	13.30	14.00	12.70	
Combined Flakiness & Elongation index	28.30	27.90	26.30	

test report should not be reproduced except in full, without written approval of the laboratory

results indicated above are based on the tests carried out on the

s are collected on the work spot & tested in the laboratory.

Query regarding the report must be reported within 15 days from the date of testing.

For Sapience Consultants and Engineers,

Signature

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ದಾಸರಹಳ್ಳಿ ಉಪ ವಿಭಾಗ
ಬಾಗಲಗುಂಟೆ. ಜಿ ಕೆ ಎಂ.ಪಿ
ಬೆಂಗಳೂರು 560073

sapience
Consultants and Engineers
(A Road Materials Testing Laboratory)
#B9-003, GANGA, Jnanabharathi Enclave,
Valagerahalli, Mysore Road, Bangalore 560059
Ph: 9448853634, 8762194386.
Email: sapiencebangalore@gmail.com

Aggregate Particle Shape

Name	Restoration and Improvements of roads and drains in A Y R Layout, Shettyhalli village,RR layout of Chikkasandra village and Abigere village roads, BTS Village, Vishveshwariah village, Royal Enclave and Sidedahalli Old Village roads Dugged by BWSSB to lay water Supply and UGD lines under 110 villages in ward No 12 & 14 Shettyhalli. BBMP, Bangalore
	Executive Engineer, Dasarahalli Division, BBMP, Bangalore.
	SCE/PMC/QCR-4/BBMP/DH/2022-23/58 Dt. 25/07/2022
Agency	Sri.Chikkaboregowda Karigowda(CKG Constructions Privite Limited), Contractor, Mysore.
	Wet Mix Macadam
	Coarse Aggregates
	IS 2386(Part I) 1963 (RA 2011)
Location	Plant
	7,8 & 9
	28.06.2022

Test	7	8	9	*Requirements as per MORTH 5th edition table no 400.12*
Flakiness Index	14.00	12.50	13.00	Maximum allowable Combined Flakiness and Elongation Indices for Wet Mix Macadam is 35% as per Table 400.12 MORTH Specification.
Elongation Index	14.10	14.00	14.10	
Combined Flakiness & Elongation index	28.10	26.50	27.10	

report should not be reproduced except in full, without written approval of the laboratory
ts indicated above are based on the tests carried out on the
e collected on the work spot & tested in the laboratory.
ery) regarding the report must be reported within 15 days from the date of testing.

Consultants and Engineers,

ature

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಜೆ. ದಾಸರಹಳ್ಳಿ ಉಪ ವಿಭಾಗ
ಖಾಸಗಿಗುಂಟೆ. ಜಿ.ಕೆ.ವಿ.ಕೆ
ಬೆಂಗಳೂರು 560073

sapience
Consultants and Engineers
(Soils & Road Materials Testing Laboratory)

#B9-003, GANGA, Jnanabharathi Enclave,
Valagerahalli, Mysore Road, Bangalore 560059
Ph: 9448853634, 8762194386.
Email: sapiencebangalore@gmail.com

Aggregate Particle Shape

Work Name	Restoration and Improvements of roads and drains in A Y R Layout, Shettyhalli village,RR layout of Chikkasandra village and Abigere village roads, BTS Village, Vishveshwariah village, Royal Enclave and Sidedahalli Old Village roads Dugged by BWSSB to lay water Supply and UGD lines under 110 villages in ward No 12 & 14 Shettyhalli, BBMP, Bangalore
Work Order No.	Executive Engineer, Dasarahalli Division, BBMP, Bangalore. SCE/PMC/QCR-4/BBMP/DH/2022-23/58 Dt. 25/07/2022
Contractor / Agency	Sri.Chikkaboregowda Karigowda(CKG Constructions Privite Limited), Contractor, Mysore.
Material Type	Wet Mix Macadam
Material	Coarse Aggregates
Test Method	IS 2386(Part I) 1963 (RA 2011)
Source / Location	Plant
Sample No.	10,11 & 12
Date	30.06.2022

Test	10	11	12	*Requirements as per MORTH 5th edition table no 400.12*
Flakiness Index	14.30	14.10	14.90	Maximum allowable Combined Flakiness and Elongation Indices for Wet Mix Macadam is 35% as per Table 400.12 MORTH Specification.
Elongation Index	14.50	13.50	13.30	
Combined Flakiness & Elongation index	28.80	27.60	28.20	

Tested report should not be reproduced except in full, without written approval of the laboratory

The results indicated above are based on the tests carried out on the samples are collected on the work spot & tested in the laboratory.

Any Query regarding the report must be reported within 15 days from the date of testing.

For Sapience Consultants and Engineers,

Authorised Signature

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಡಿ. ದಾಸರಹಳ್ಳಿ ಉಪ ವಿಭಾಗ
ಬಿಬಿಎಂಪಿ, ಬಿ ಬಿ.ಎಂ.ಪಿ
ಬೆಂಗಳೂರು 560073

sapience
Consultants and Engineers
(Soil & Road Materials Testing Laboratory)

#89-003, GANGA, Jnanabharathi Enclave,
Valagerahalli, Mysore Road, Bangalore 560059
Ph: 9448853634, 8762194386
Email: sapiencebangalore@gmail.com

Aggregate Particle Shape

Name	Restoration and Improvements of roads and drains in A Y R Layout, Shettyhalli village,RR layout of Chikkasandra village and Abigere village roads, BTS Village, Vishveshwarlah village, Royal Enclave and Sidedahalli Old Village roads Dugged by BWSSB to lay water Supply and UGD lines under 110 villages in ward No 12 & 14 Shettyhalli, BBMP, Bangalore
	Executive Engineer, Dasarahalli Division, BBMP, Bangalore.
	SCE/PMC/QCR-4/BBMP/DH/2022-23/58 Dt. 25/07/2022
/ Agency	Sri.Chikkaboregowda Karigowda(CKG Constructions Privite Limited), Contractor, Mysore.
	Wet Mix Macadam
	Coarse Aggregates
	IS 2386(Part I) 1963 (RA 2011)
/ Location	Plant
No.	13,14 & 15
	04.07.2022 ,

Test	13	14	15	Requirements as per MORTH 5th edition table no 400.12
Flakiness Index	13.60	13.10	13.50	Maximum allowable Combined Flakiness and Elongation Indices for Wet Mix Macadam is 35% as per Table 400.12 MORTH Specification.
Elongation Index	14.40	14.80	13.70	
Combined Flakiness & Elongation index	28.00	27.90	27.20	

test report should not be reproduced except in full, without written approval of the laboratory
results indicated above are based on the tests carried out on the
are collected on the work spot & tested in the laboratory.
regarding the report must be reported within 15 days from the date of testing.

ಸಹಾಯಕ ಕಾರ್ಯನಿರ್ವಾಹಕ ಅಭಿಯಂತರರು
ಕ್ಷೇ. ದಾಸರಹಳ್ಳಿ ಉಪ ವಿಭಾಗ
ಬಾಗಲಗುಂಟೆ, ಜ.ಜ.ಎಂ.ವಿ
ಬೆಂಗಳೂರು-560073

Sapience Consultants and Engineers,
Bangalore-59

Authorised Signature

sapience
Consultants and Engineers
(A Road Materials Testing Laboratory)

#B9-003, GANGA, Jnanabharathi Enclave,
Valagerahalli, Mysore Road, Bangalore 560059
Ph: 9448853634, 8762194386
Email: sapiencebangalore@gmail.com

Aggregate Particle Shape

Name	Restoration and Improvements of roads and drains in A Y R Layout, Shettyhalli village,RR layout of Chikkasandra village and Abigere village roads, BTS Village, Vishveshwariah village, Royal Enclave and Sidedahalli Old Village roads Dugged by BWSSB to lay water Supply and UGD lines under 110 villages in ward No 12 & 14 Shettyhalli, BBMP, Bangalore
	Executive Engineer, Dasarahalli Division, BBMP, Bangalore.
	SCE/PMC/QCR-4/BBMP/DH/2022-23/58 Dt. 25/07/2022
/ Agency	Sri.Chikkaboregowda Karigowda(CKG Constructions Privite Limited), Contractor, Mysore.
	Wet Mix Macadam
	Coarse Aggregates
	IS 2386(Part I) 1963 (RA 2011)
/ Location	Plant
	16,17 & 18
	11.07.2022

Test	16	17	18	*Requirements as per MORTH 5th edition table no 400.12*
Flakiness Index	13.00	12.10	14.20	Maximum allowable Combined Flakiness and Elongation Indices for Wet Mix Macadam is 35% as per Table 400.12 MORTH Specification.
Elongation Index	13.90	14.10	14.70	
Combined Flakiness & Elongation index	26.90	26.20	28.90	

test report should not be reproduced except in full, without written approval of the laboratory
results indicated above are based on the tests carried out on the
are collected on the work spot & tested in the laboratory.
any regarding the report must be reported within 15 days from the date of testing.

Consultants and Engineers,

Signature

ಸಹಾಯಕ ಕಾರ್ಯನಿರ್ವಾಹಕ ಅಭಿಯಂತರರು
ಡಿ. ದಾಸರಹಳ್ಳಿ ಉಪ ವಿಭಾಗ
ಕಾಗಲಗುಂಟೆ. ಜಿ ಜಿ ಎಂ ಪಿ
ಬೆಂಗಳೂರು 560073

sapience
Consultants and Engineers
(A Road Materials Testing Laboratory)

#B9-003, GANGA, Jnanabharathi Enclave,
Valagerahalli, Mysore Road, Bangalore 560059
Ph: 9448853634, 8762194386.
Email: sapiencebangalore@gmail.com

Aggregate Particle Shape

Name	Restoration and Improvements of roads and drains in A Y R Layout, Shettyhalli village,RR layout of Chikkasandra village and Abigere village roads, BTS Village, Vishveshwariah village, Royal Enclave and Sidedahalli Old Village roads Dugged by BWSSB to lay water Supply and UGD lines under 110 villages in ward No 12 & 14 Shettyhalli. BBMP, Bangalore
	Executive Engineer, Dasarahalli Division, BBMP, Bangalore.
	SCE/PMC/QCR-4/BBMP/DH/2022-23/58 Dt. 25/07/2022
ctor / Agency	Sri.Chikkaboregowda Karigowda(CKG Constructions Privite Limited), Contractor, Mysore.
	Wet Mix Macadam
	Coarse Aggregates
ethod	IS 2386(Part I) 1963 (RA 2011)
/ Location	Plant
No.	19,20 & 21
	19.07.2022

Test	19	20	21	*Requirements as per MORTH 5th edition table no 400.12*
Flakiness Index	14.90	14.50	14.90	Maximum allowable Combined Flakiness and Elongation Indices for Wet Mix Macadam is 35% as per Table 400.12 MORTH Specification.
Elongation Index	12.30	13.30	13.80	
Combined Flakiness & Elongation index	27.20	27.80	28.70	

st report should not be reproduced except in full, without written approval of the laboratory
sults indicated above are based on the tests carried out on the
are collected on the work spot & tested in the laboratory.
ney regarding the report must be reported within 15 days from the date of testing.

ape Consultants and Engineers,

Signature

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಕ್ಷೇ. ದಾಸರಹಳ್ಳಿ ಉಪ ವಿಭಾಗ
ಬಾಗಲಗುಂಟೆ. ಪಿ.ಐ.ಬಿ.ಎಂ.ಪಿ
ಬೆಂಗಳೂರು-560073

sapience
Consultants and Engineers
(Soil & Road Materials Testing Laboratory)

#B9-003, GANGA, Jnanabharathi Enclave,
Valagerahalli, Mysore Road, Bangalore 560059
Ph: 9448853634, 8762194386.
Email: sapiencebangalore@gmail.com

Aggregate Gradation

Project Name	Restoration and Improvements of roads and drains in A Y R Layout, Shettyhalli village,RR layout of Chikkasandra village and Abigere village roads, BTS Village, Vishveshwariah village, Royal Enclave and Sidedahalli Old Village roads Dugged by BWSSB to lay water Supply and UGD lines under 110 villages in ward No 12 & 14 Shettyhalli. BBMP, Bangalore
Client	Executive Engineer, Dasarahalli Division, BBMP, Bangalore.
Ref. No.	SCE/PMC/QCR-4/BBMP/DH/2022-23/58 Dt. 25/07/2022
Contractor / Agency	Sri.Chikkaboregowda Karigowda(CKG Constructions Privite Limited), Contractor, Mysore.
Material Type	Wet Mix Macadam
Material	Coarse Aggregates
Test Method	IS 2386(Part 1) 1963 (RA 2011)
Source / Location	Plant
Sample No.	1 & 2
Date	13.06.2022

Total Weight of Sample (gms) : **15000.00**

Sieve Size (mm)	Weight Retained in gms	Cumulative Weight Retained (gm)	Cummulative % Retained	Cumulative % Passing	Requirement as per MORTH table 500.17	Remarks
53	0	0	0	100	100	Gradation satisfies the MORTH Table 400-13 Specification for Wet Mix Macadam
45	623.1	623.1	4.15	95.85	95 - 100	
22.4	4206.6	4829.7	32.20	67.8	60 - 80	
11.2	2633.8	7463.5	49.76	50.24	40 - 60	
4.75	2885.6	10349.1	68.99	31.01	25 - 40	
2.36	1931.0	12280.1	81.87	18.13	15 - 30	
1.60	644.3	12924.4	86.16	13.84	8 - 22	
0.075	1738.2	14662.6	97.75	2.25	0 - 5	

Total Weight of Sample (gms) : **15000.00**

Sieve Size (mm)	Weight Retained in gms	Cumulative Weight Retained (gm)	Cummulative % Retained	Cumulative % Passing	Requirement as per MORTH table 500.17	Remarks
53	0	0	0	100	100	Gradation satisfies the MORTH Table 400-13 Specification for Wet Mix Macadam
45	681.9	681.9	4.55	95.45	95 - 100	
22.4	4043.2	4725.1	31.50	68.50	60 - 80	
11.2	3355.6	8080.7	53.87	46.13	40 - 60	
4.75	2155.5	10236.2	68.24	31.76	25 - 40	
2.36	1309.0	11545.2	76.97	23.03	15 - 30	
1.60	1588.1	13133.3	87.56	12.44	8 - 22	
0.075	1496.1	14629.4	97.53	2.47	0 - 5	

Note:

This test report should not be reproduced except in full, without written approval of the laboratory

The results indicated above are based on the tests carried out on the samples are collected on the work spot & tested in the laboratory.

Any Query regarding the report must be reported within 15 days from the date of testing.

Sapience Consultants and Engineers,

Authorized Signature

ಸಹಾಯಕ ಕಾರ್ಯ ಪಾಲಕ ಅಭಿಯಂತರರು
ಶ್ರೀ. ದಾಸರಹಳ್ಳಿ ಉಪ ವಿಭಾಗ
ಬಾಡಲಾಯಿ. ಪಾಲಿಕೆ
ಬೆಂಗಳೂರು-560073

apience
Consultants and Engineers
& Road Materials Testing Laboratory)
#B9-003, GANGA, Jnanabharathi Enclave,
Valagerahalli, Mysore Road, Bangalore 560059
Ph: 9448853634, 8762194386.
Email: sapiencebangalore@gmail.com

Aggregate Gradation

Name	Restoration and Improvements of roads and drains in A Y R Layout, Shettyhalli village,RR layout Enclave and Sidedahalli Old Village roads Dugged by BWSSB to lay water Supply and UGD lines of Chikkasandra village and Abigere village roads, BTS Village, Vishveshwariah village, Royal under 110 villages in ward No 12 & 14 Shettyhalli. BBMP, Bangalore
	Executive Engineer, Dasarahalli Division, BBMP, Bangalore.
	SCE/PMC/QCR-4/BBMP/DH/2022-23/58 Dt. 25/07/2022
/ Agency	Sri.Chikkaboregowda Karigowda(CKG Constructions Privite Limited), Contractor, Mysore.
	Wet Mix Macadam
	Coarse Aggregates
	IS 2386(Part 1) 1963 (RA 2011)
Method	Plant
/ Location	3 & 4
	13.06.2022

Weight of Sample (gms) : **15000.00**

Sieve Size (mm)	Weight Retained in gms	Cumulative Weight Retained (gm)	Cummulative % Retained	Cumulative % Passing	Requirement as per MORTH table 500.17	Remarks
53	0	0	0	100	100	Gradation satisfies the MORTH Table 400-13 Specification for Wet Mix Macadam
45	595.9	595.9	3.97	96.03	95 - 100	
26.4	3989.3	4585.2	30.57	69.43	60 - 80	
22.2	2994.9	7580.1	50.53	49.47	40 - 60	
13.5	2741.8	10321.9	68.81	31.19	25 - 40	
9.36	850.5	11172.4	74.48	25.52	15 - 30	
4.750	1306.9	12479.3	83.20	16.8	8 - 22	
2.075	2227.4	14706.7	98.04	1.96	0 - 5	

Weight of Sample (gms) : **15000.00**

Sieve Size (mm)	Weight Retained in gms	Cumulative Weight Retained (gm)	Cummulative % Retained	Cumulative % Passing	Requirement as per MORTH table 500.17	Remarks
53	0	0	0	100	100	Gradation satisfies the MORTH Table 400-13 Specification for Wet Mix Macadam
45	441.8	441.8	2.95	97.05	95 - 100	
26.4	4563.0	5004.8	33.37	66.63	60 - 80	
22.2	2461.7	7466.5	49.78	50.22	40 - 60	
13.5	3241.9	10708.4	71.39	28.61	25 - 40	
9.5	900.6	11609.0	77.39	22.61	15 - 30	
4.75	1589.8	13198.8	87.99	12.01	8 - 22	
2.75	1479.0	14677.8	97.85	2.15	0 - 5	

test report should not be reproduced except in full, without written approval of the laboratory
results indicated above are based on the tests carried out on the
s are collected on the work spot & tested in the laboratory.
regarding the report must be reported within 15 days from the date of testing.

ANTS &
pience Consultants and Engineers,
ngalore-59
ed Signatory
VS * Secure

ಸಹಾಯಕ ಕಾರ್ಯನಿರ್ವಾಹಕ ಅಭಿಯಂತರರು
ಆರ್. ದಾಸರಹಳ್ಳಿ ಉಪ ವಿಭಾಗ
ಬಾಗಲಗುಂಟೆ. ಪಿ.ಪಿ.ಎಂ.ಪಿ
ಬೆಂಗಳೂರು 560073